

## Ordering information

QCH	2	G	PF						
Quality Visual	Luminaire Width	Ceiling Type	Lamp Shield	Lamp Quantity	Lamp	Voltage	Ballast Type	Options	
Semi-recessed direct indirect soft light optical system	2'	G = Fits standard 15/16" T-grid or Slot T-grid ceilings	PF = Micro-perforated	2 = 2 Lamp 3 = 3 Lamp▲	24 = 24WT5HO FT = TT5 Bi-Tube	UNV 347	<b>T5/T5HO</b> PG = Electronic Linear T5/T5HO Program Start (<10% THD) <b>TT5</b> PR = 40W Electronic TT5 Programmed Rapid Start (<10% THD) BE = 50W Electronic TT5 Rapid Start (<20% THD) BF = 55W Electronic TT5 Rapid Start (<10% THD) DA = Electronic TT5, T5, T5HO, Program Start (<10% THD) Dali Digital Addressable Dimming <b>For Dimming Ballast Suffix, please consult your Lightolier Representative.</b>	F = Internal Fusing (Canada) GLR = Internal Fusing (USA) FK92X2 = Drywall Kit for plaster frames EM* = TT5/T5/T5HO Emergency Lighting System (USA) O* = TT5 Emergency Lighting System (Canada) E* = T5/T5HO Emergency Lighting System (Canada) QVS-HD = Alter Hold Down Clips (Std 15/16" only) <b>*All 2' x 2' luminaire using Emergency Lighting System are 5-1/2" deep</b>	
<b>Lamp Shield Details</b>									
				OS = Open slot (no acrylic) lamp shield OP = One piece (no center slot) lamp shield					

▲3-lamp combination only available with one piece lamp shield

## Features

- Efficiencies up to 69.6%
- Seamless welded form: curved top and side reflectors are formed together without any gaps or visual barriers
- Shallow design, only 3-5/8" deep for easy installation in shallow plenum
- Painted after fabrication (PAF) luminaire
- New Solid-Edge swing-down microperforated lamp shield for easy relamping and maintenance
- Alter soft white film on inside of mesh conceals lamp image providing balance between reflected and direct light
- Fully recessed luminaire and lamp compartment
- 95% Reflective Alter soft white paint finish
- One-piece body for easy installation
- Easy access to ballast through lamp compartment
- Can be row mounted
- Fits standard 15/16" T-Grid, Slot T-Grid or drywall ceilings

## Material

One piece chassis constructed from die formed 20 gauge cold rolled steel.  
**Reflectors** - 95% reflectance baked white acrylic matte paint finish. Soft white acrylic film on inside of lamp shield conceals lamp image.

## Finish

**Chassis exterior** - phosphate undercoating, baked white acrylic matte high reflectance paint finish.

## Electrical

Thermally protected class "P" ballast. If K.O.s are within 3" of ballast use wire suitable for at least 90C. Suitable for damp location.

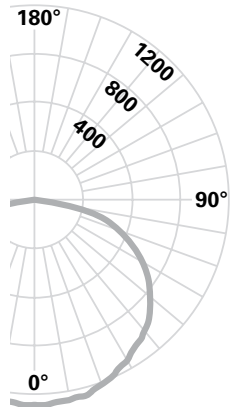
## Labels

Listed by cCSAus.

Job Information	Type:
<b>Job Name:</b>	
<b>Cat. No.:</b>	
<b>Lamp(s):</b>	
<b>Notes:</b>	

## Performance

### CANDLEPOWER CURVE 2FT



REPORT NO: LSCB634  
 CAT. NO: QCH2GPFOS2FT  
 2 24W T5 Compact Fluorescent Lamps at 3150 lumens.  
 Efficiency: 58.2%  
 Candela at Nadir: 1185cd

### CANDLEPOWER

ZONE DEG	ALONG				ACROSS
	22.5	45	67.5		
0	1185	1185	1185	1185	1185
5	1175	1185	1177	1176	1177
10	1153	1156	1162	1166	1169
15	1133	1137	1153	1152	1168
20	1089	1094	1108	1122	1133
25	1040	1048	1067	1092	1105
30	977	994	1019	1050	1074
35	919	925	966	1007	1025
40	841	851	904	955	988
45	757	775	830	903	939
50	654	683	768	842	875
55	553	591	692	770	804
60	452	496	610	686	723
65	353	409	518	591	624
70	267	327	417	489	529
75	179	228	317	374	396
80	99	134	184	201	198
85	42	45	45	63	69
90	0	0	0	0	0

### COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD \* EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

Room Cavity Ratio	Wall Reflectance											
	80				70				50			
	70	50	30	10	70	50	30	10	50	30	10	
0	.69	.69	.69	.69	.68	.68	.68	.68	.65	.65	.65	
1	.63	.61	.58	.56	.62	.60	.57	.55	.57	.55	.53	
2	.58	.53	.50	.46	.57	.52	.49	.46	.50	.47	.45	
3	.53	.47	.42	.38	.51	.46	.42	.38	.44	.41	.37	
4	.49	.42	.37	.33	.47	.41	.36	.33	.40	.35	.32	
5	.45	.37	.32	.28	.43	.36	.32	.28	.35	.31	.28	
6	.41	.33	.28	.24	.40	.33	.28	.24	.32	.27	.24	
7	.38	.30	.25	.21	.37	.29	.24	.21	.28	.24	.21	
8	.35	.27	.22	.18	.34	.26	.22	.18	.26	.21	.18	
9	.32	.24	.19	.16	.31	.24	.19	.16	.23	.19	.16	
10	.30	.22	.17	.14	.29	.22	.17	.14	.21	.17	.14	

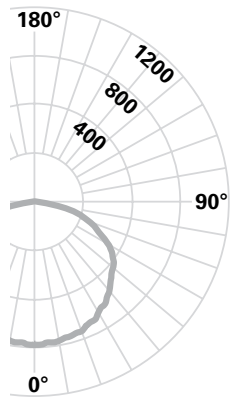
DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES  
 LUMINAIRE INPUT WATTS = 70.7

### DISTRIBUTION

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	928	14.73	25.31
0-40	1532	24.33	41.79
0-60	2788	44.26	76.04
0-90	3667	58.21	100.00
40-90	2134	33.88	58.21
60-90	878	13.95	23.96
90-180	0	.00	.00
0-180	3667	58.21	100.00

## Performance

### CANDLEPOWER CURVE 224



REPORT NO: LSCD081  
 CAT. NO: QCH2GPFOS224  
 2 24W T5HO Fluorescent Lamps at 1760 lumens.  
 Efficiency: 69.6%  
 Candela at Nadir: 791cd

### CANDLEPOWER

ZONE DEG	ALONG				ACROSS
	22.5	45	67.5		
0	791	791	791	791	791
5	785	785	789	789	787
10	775	780	779	786	787
15	756	760	771	771	775
20	737	739	744	751	766
25	700	705	716	733	740
30	659	676	684	705	712
35	617	632	654	670	691
40	566	583	616	634	651
45	504	527	563	590	606
50	442	463	507	549	574
55	377	411	459	518	534
60	309	343	409	458	478
65	238	287	354	384	394
70	181	224	278	308	327
75	129	165	203	223	235
80	68	93	112	112	106
85	29	28	36	45	46
90	0	1	6	16	18

### COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD \* EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

Room Cavity Ratio	Wall Reflectance											
	80				70				50			
	70	50	30	10	70	50	30	10	50	30	10	
0	.83	.83	.83	.83	.81	.81	.81	.81	.77	.77	.77	
1	.76	.73	.70	.67	.74	.71	.69	.66	.68	.66	.64	
2	.69	.64	.59	.55	.67	.62	.58	.54	.60	.56	.53	
3	.63	.56	.50	.46	.61	.55	.50	.46	.53	.48	.45	
4	.58	.50	.44	.39	.56	.49	.43	.39	.47	.42	.38	
5	.53	.44	.37	.33	.51	.43	.37	.33	.41	.36	.32	
6	.48	.39	.33	.28	.47	.38	.32	.28	.37	.32	.28	
7	.44	.35	.29	.25	.43	.34	.29	.24	.33	.28	.24	
8	.41	.31	.25	.21	.40	.31	.25	.21	.30	.25	.21	
9	.38	.28	.22	.18	.37	.28	.22	.18	.27	.22	.18	
10	.35	.26	.20	.16	.34	.25	.20	.16	.24	.19	.16	

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES  
 LUMINAIRE INPUT WATTS = 51.6

### DISTRIBUTION

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	624	17.73	25.49
0-40	1031	29.31	42.14
0-60	1872	53.20	76.49
0-90	2448	69.56	100.00
40-90	1416	40.25	57.86
60-90	575	16.35	23.51
90-180	0	.00	.00
0-180	2448	69.56	100.00

## Job Information Type:

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